

THE
RURAL DISTRICT COUNCIL

— OF —

HARTSHORNE AND SEALS.

ANNUAL REPORT

OF THE
MEDICAL OFFICER OF HEALTH

For the Year 1920.

RODERIC LOGAN, M.R.C.S., ENG.,

Medical Officer of Health.

June, 1921.

Ashby-de-la-Zouch.

ASHBY-DE-LA-ZOUCH,

June, 1921.

TO THE RURAL DISTRICT COUNCIL OF HARTSHORNE & SEALS

MR. CHAIRMAN AND GENTLEMEN,

I beg to present to you my Annual Report upon the Sanitary state of your District for the year 1920.

Tables of death, new cases of infectious disease, and Vital Statistics are appended.

The Vital Statistics are calculated per 1,000 persons living.

HARTSHORNE AND SEALS.

ANNUAL REPORT, 1920.

GENERAL STATISTICS.

1. Elevation of District, 227 to 537 O.D.

GEOLOGY, Coal Measures and Clay, except Tickenhall (Limestone).

AREA, Land and Water, 11,479 acres.

	Census, 1901.	Census, 1911.	Estimated, 1920.
Population ...	6988	7939	8133
Inhabited Houses	1470	1716	1850

New Houses in course of erection during the year, nil.

Rateable Value, £38,554. Assessable Value, £.....

General District Rate, in the £1.

VITAL STATISTICS.

Pop. Est.	Birth Rate.	General Death Rate.	Infantile Mortality.
8133	27'91	7'38	39'65

Epidemic Diseases Death Rate.	Phthisis Death Rate.
'12	'49

Births.	Deaths..	Respiratory Diseases.
227	60	'49

Percentage of overcrowded Tenements, 2'27 in 1911 Census.

Water
Supply.

Woodville is supplied by the Ashby and Swadlin-cote Water Board from the Milton Reservoirs. There are, however, several houses at the highest part of this parish which cannot be so supplied from the present reservoir by gravitation.

Ticknall is supplied from a reservoir of upland spring water pumped through the village to stand-pipes by windmill and auxiliary pump.

Hartshorne is supplied from the Several Woods Springs.

Overseal, Netherseal and Smisby are supplied from wells. In Overseal the supply is often unsatisfactory in quantity and quality.

There is no serious pollution of rivers or streams in the district.

Drainage
and
Sewage.

Woodville is completely sewered to the Sewage Farm on the Burton Road.

Ticknall has a main sewer running down the main street, and discharging into the old lime pits. No offence has arisen during the year.

Hartshorne sewage is mainly dealt with by irrigation in ditches, and continually part finds its way into the brook, but only a small quantity and no offence is caused.

Overseal sewage is dealt with by irrigation and settling tanks. The sewerage and disposal in this village is complicated by the varying levels and the canal.

Netherseal has small intercepting tanks with irrigation in ditches of the effluent. The sewage is only slop water. The same conditions exist at Smisby.

Privy and
Closet
Accommod-
ation.

In Woodville the W.C. is the chief accommodation with some privy middens. In all the other parishes the privy midden is the main accommodation with a few pan closets.

Scavenging. Throughout the district the scavenging is either by contract (Woodville and Overseal) with disposal to public tip, or carried out by tenants or landlords with disposal on land.

Sanitary Inspector's Report. A copy of this is printed at the end of this Report.

Schools. Smisby, Woodville and Overseal are provided with modern Council Schools, excellently lighted and ventilated, but not always perfectly warmed by the pipes and radiators provided.

Woodville and Overseal also possess Church of England Schools. This School at Overseal is not satisfactorily lighted or ventilated and requires lavatory accommodation. Stoves are the source of heating.

Netherseal Church of England School has been recently enlarged and considerably improved.

Hartshorne Church of England School is supplied from the Several Springs water supply, and has recently had improved sanitary arrangements carried out.

As School Medical Officer for the district I have inspected about 499 children, of these 14 per cent. were found to be verminous ; 7'3 per cent. had defective vision ; 22'4 per cent. suffered from Nasal Obstruction due to Tonsils and Adenoids ; 2'9 per cent. had Phthisis and 2'8 per cent. Tuberculosis of other organs ; 4'8 per cent. were dull and backward ; 1 only was found to be mentally deficient ; 45 per cent. are unvaccinated.

The attendance of parents at all Schools is very good. Their attention to the advice given is marked, and there is now no difficulty in 95 per cent. of the cases in getting the necessary treatment for the child's welfare carried out, though some years ago it was the exception for the operative treatment of enlarged Tonsils and Adenoids to be secured.

There is a marked improvement in the condition of the throats and the teeth of the children; their clothing is seldom defective or unclean; their physique is seldom below normal.

One School was closed during the year for Measles for 3 weeks.

Cases of defective vision are treated at the Swadlincote Centre.

Cases of Tonsils and Adenoids principally at Derby.

Vermineous cases are dealt with by the School Nurses, and the services of the District Nurses are utilised in other cases when thought desirable.

The work of the School Nurse for this district is most satisfactory, especially in regard to cases of Tuberculosis treated in their own homes.

Infectious
Disease.

Including Tuberculosis there were only 53 cases notified. Of these 15 were due to Tuberculosis; 25 to Scarlet Fever; 5 to Diphtheria; 1 to Enteric (Typhoid Fever); 4 to Erysipelas; 1 to Malaria; 2 to Pneumonia.

Scarlet
Fever.

13 of these occurred in Woodville, the rest were distributed over the district. 4 of the cases were removed to Swannington Hospital.

Diphtheria.

Only 5 cases were notified. Antitoxin was used in every case, supplied gratis by your Council. No case has been removed to hospital since Antitoxin has been supplied through me to the Medical Attendants.

Measles.

Measles were prevalent throughout the district, and Ticknall School was closed for three weeks owing to an epidemic of this disease. 1 death was caused by Influenza; 1 death was caused by Whooping Cough; and 4 by Tuberculosis of Lungs, and 1 by Tuberculosis of other organs.

No other death was due to Infectious Disease.

Infectious Disease is dealt with by the supply of disinfectants and advice upon isolation, and exclusion from school of patients, and contacts by the Medical Officer and the Sanitary Inspector. Swannington Hospital—which is now under the control of the Isolation Hospitals Committee of the County of Leicester—is still open for the treatment of cases from this district. Infected premises are disinfected with sulphur and glyco-formalin.

For Tuberculosis cases the Tuberculin Dispensary at Burton is in constant use, and Chesterfield Sanatorium receives those requiring in-patient treatment.

Housing.

Under Section 17 of the Housing, Town Planning Act, 1909, 57 houses have been inspected. No closing orders have been issued and no cases of overcrowding have been dealt with in consequence of the deficiency of housing accommodation in the district.

The question of the provision of houses under the Housing Scheme of the Ministry of Health has been under consideration during the year. Difficulties have arisen over the question of sites and prices. No houses have yet been erected.

33 houses have been repaired after issue of notices by the Inspector, and 10 have been voluntarily repaired by the owners.

A large number—236—of minor defects and nuisances have been notified by your Inspector, and 231 have been remedied or abated after notice issued.

There are 59 Dairies, Cowsheds and Milk Shops on the register, and 10 nuisances in these premises have been dealt with.

There are 14 Bakehouses, and 4 nuisances abated.

18 Slaughterhouses have been inspected, and 2 nuisances abated.

There are no Common Lodging Houses or Offensive Trades carried on in the district.

The question of the Water Supply from a source in Smisby Parish to Woodville, Hartshorne and Overseal has been the subject of an enquiry by the Ministry of Health, and is still under consideration.

I am, Gentlemen,

Yours faithfully,

RODERIC LOGAN,

Med. Officer of Health.

COUNTY OF DERBY. Year ending December 31st, 1920.

Table giving the Birth Rates and the Death Rates from several causes in the Rural Sanitary District of Hartshorne and Seals.

Rural Sanitary District.	Medical Officer of Health.	AREA (Land and Water).	Census, 1911.			Population.			BIRTHS.	DEATHS.	Annual Rates per 1000 of Estimated Population.						Infantile Death Rate per 1000 Births
			Total Number of Private Families.	Percentage of Tenements Overcrowded.	Census 1901.	Census 1911.	Death Rate For middle of 1920.	For Rate middle of 1920.			Birth Rate.	Death Rate.	Zymotic Death Rate.	Death Rate from Euteric Fever and Diarrhoeal Diseases.	Phthisis Death Rate.	Respiratory Death Rate.	
HARTSHORNE & SEALS	R.W. Logan, M.R.C.S.	11479	1716	2.27	6988	7939	8133		227	60	27.91	7.38	.1249	.49	39.65
RURAL DISTRICTS	...	555233	58142	2.76	234236	272324	269180		7571	3059	28.10	11.35	.71	.23	.54	2.02	82.29
URBAN DISTRICTS	...	89864	61448	2.54	250610	287689	300796		8001	3598	26.60	11.96	.79	.15	.62	2.37	84.00
WHOLE COUNTY	...	645097	119590	2.65	484846	560013	570276		15572	6657	27.31	11.67	.75	.19	.58	2.20	83.16

TABLE III.

**Causes of Death in Hartshorne and Seals
Rural District, 1920.**

CAUSES OF DEATH Civilians only.	Males.	Females.
All causes	33	27
Enteric Fever		
Small-pox		
Measles		
Scarlet Fever		
Whooping Cough		1
Diphtheria and Croup		
Influenza		1
Erysipelas		
Pulmonary Tuberculosis	3	1
Tuberculous Meningitis		
Other Tuberculous Diseases		1
Cancer, malignant disease	1	3
Rheumatic Fever		1
Meningitis		
Organic Heart Disease		4
Bronchitis	2	1
Pneumonia (all forms)		
Other Respiratory Diseases	1	
Diarrhoea, &c. (under 2 years)		
Appendicitis and Typhlitis		
Cirrhosis of Liver		
Alcoholism		
Nephritis and Bright's Disease	2	
Puerperal Fever		
Parturition, apart from Puerperal Fever		
Congenital Debility, &c.	2	
Violence, apart from Suicide	2	1
Suicide		
Other Defined Diseases	20	13
Causes ill-defined or unknown		
Special Causes (included above):		
Cerebro-spinal Fever		
Poliomyelitis		
Deaths of Infants under 1 year of age:		
Total	6	3
Illegitimate		
TOTAL BIRTHS	116	111
Legitimate	113	109
Illegitimate	3	2
POPULATION:		
For Births and Deaths	8133	

TABLE IV.

Birth-rate, Death-rate, and Analysis of Mortality during the Year 1920.

(Provisional figures. Provisional populations estimated to the middle of 1920 have been used for the purposes of this Table. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns.)

Birth-rate per 1000 Total Population	Annual Death-rate per 1000 Population.										Rate per 1000 Births.		Percentage of Total Deaths.			
	All Causes	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping-cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis (under 2 Years).	Total Deaths under One Year.	Deaths in Public Institutions.	Certified Causes of Death.	Inquest Cases.	Uncertified Causes of Death.	
England and Wales	25·4	12·4	0·01	0·00	0·19	0·04	0·11	0·15	0·28	0·48	8·3	80	24·3	92·2	6·6	1·2
96 Great Towns, including London (Census Populations exceeding 50,000).	26·2	12·5	0·01	0·00	0·22	0·04	0·14	0·16	0·31	0·43	10·4	85	31·3	92·2	7·1	0·7
148 Smaller Towns (Census Populations 20,000—50,000).	24·9	11·3	0·02	0·00	0·19	0·03	0·10	0·14	0·27	0·38	7·8	80	16·5	93·2	5·3	1·5
London	26·5	12·4	0·01	0·00	0·22	0·05	0·17	0·22	0·30	0·47	9·5	75	46·8	91·2	8·6	0·2

Annual Report of Sanitary Inspector.

1920.

HARTSHORNE AND SEALS RURAL SANITARY DISTRICT

NAME OF INSPECTOR—C. F. PEARSALL.

Area of District—11,571 Acres.

Estimated No. of Houses—1850.

HOUSING AND TOWN PLANNING—

No. of Houses inspected under Section 17.	No. Unfit for Habitation.	Representations made to Local Authority re Closing Orders.	Closing Orders made	Number Repaired.	Number Repaired after Closing Order.
57	None.	None.	None.	33	None.
Number Closed.	Number Demolished.	Number Repaired Voluntarily.	Number of Informal Notices Served.	Number of Legal Notices Served.	Number of Nuisances Abated
None.	None.	10			

DRAINAGE—

No Disconnection of Waste Pipe ...	2	2
Defective Traps ...	5	5
Drains obstructed ...	23	23

CLOSETS AND ASHPITS—

Insanitary Privies, Pail Closets & Ashpits ...	19	15	Others now under repair
Additional Closet Accommodation ...	3		3
Conversion of Privies to W.C's. ...	5		5
Conversion of Pail Closets to W.C's. ...			
Defective Water Closets ...			

OTHER DEFECTS.

Paving of Courts and Yards ...			
Eaves Spouts and Down Spouts ...	6		6
Urinals Defective ...			
Water Supply ...	4	1	4
Offensive Accumulations ...	163	4	167
Animals improperly kept ...			
Pigsties ...	3		3
Smoke Nuisances ...			
Overcrowding ...			
Water in Cellars ...	2		1
Foul Condition of Houses ...			
Nuisances not specified above ...	1		1
Totals ...	236	5	235

	Number on Register.	Inspections Made.	Notices Served.	Nuisances Abated.
Dairies, Cowsheds and Milkshops ...	59	107	8	10
Bakehouses ...	14	28	4	4
Slaughterhouses ...	18	20	2	2
Offensive Trades ...				
Common Lodging-houses ...				
	91	155	14	16

Infected Rooms Disinfected—28. Method—Sulphur Candles and Glyco-Formalin.
Samples submitted for Examination. Water— Milk—

Prosecutions—None.

Food Seizures—None.

Food voluntarily Surrendered—59 articles, meat and chiefly tinned goods.

(Signed) C. F. PEARSALL.

HOUSING.

- (1.) Number of Houses reported to Housing Commissioner as being required ... 100
- (2.) Number of Houses the District Council has decided to erect (at present) ... 59
- (3.) Number of Houses for the Building of which contracts have been accepted ... None.
- (4.) Number of Houses
 - (a) In course of erection ... None.
 - (b) Completed ... None.
 - (c) Occupied ... None.

(Signed) C. F. PEARSALL.